

Overview of Numeration: Base Ten and Place Value Properties

	1.0	2.0	3.0	4.0	5.0	6.0
Whole Numbers	<ul style="list-style-type: none"> • two digit numbers • three and four digit numbers • millions and beyond 					
Decimals	<ul style="list-style-type: none"> • tenths and hundredths • thousandths and beyond • scientific notation and exponents 					
Additive properties	<ul style="list-style-type: none"> • use 10 as a group • use 10 & 100 as a group in adding • describe place value of digits • round including money 					
Multiplicative properties	<ul style="list-style-type: none"> • rename hundreds e.g. 300=30 tens • rename hundredths to tenths, etc • multiply by 10, 20, 30... • divide and multiply by powers of 10 • rename e.g. 300=3000 tenths • appreciate exponential growth of numbers as powers of 10 increase 					
Main Uses	<ul style="list-style-type: none"> • dollars and cents • vertical addition and subtraction algorithms • multiplication and division algorithms • percentages • compare and contrast with binary form • significant figures and rounding 					
Metric measurement	<ul style="list-style-type: none"> • use cm • use litre, metre, kilogram • m to cm etc • use g, mm, mL, etc • convert e.g. litres to mL • recognise base ten significance of metric prefixes (milli, etc) • use wide range of units and conversions 					
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